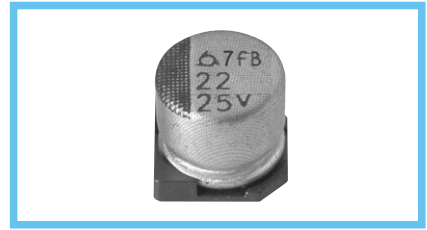
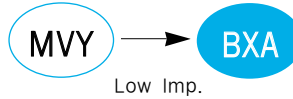


BXA Series

• 105°C 1,000~2,000Hrs assured.

Solvent-proof

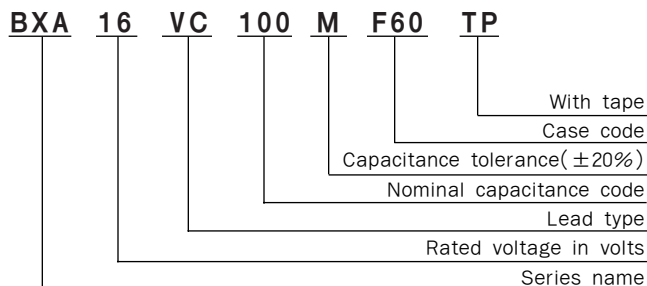
- Vertical SMD type.
- Low impedance.
- For STB, Satellite Radio, Computer Server
- RoHS compliant.



SPECIFICATIONS

Item	Characteristics																							
Rated Voltage Range	6.3 ~ 50 V _{DC}																							
Operating Temperature Range	-55 ~ +105°C																							
Capacitance Tolerance	±20%(M) (at 20°C, 120Hz)																							
Leakage Current	I = 0.01CV or 3μA, whichever is greater. Where, I: Max. Leakage current(μA), C: Nominal capacitance(μF), V: Rated voltage(V _{DC}) (at 20°C, 2 minutes)																							
Dissipation Factor Tan δ(Max.)	<table border="1" style="width: 100%; border-collapse: collapse; text-align: center;"> <tr> <th style="text-align: left;">Rated Voltage(V_{DC}) SIZE</th> <th>6.3</th> <th>10</th> <th>16</th> <th>25</th> <th>35</th> <th>50</th> <th></th> </tr> <tr> <td>D56~F80</td> <td>0.24</td> <td>0.20</td> <td>0.16</td> <td>0.14</td> <td>0.12</td> <td>0.12</td> <td rowspan="2" style="vertical-align: middle;">(at 20°C, 120Hz)</td> </tr> <tr> <td>H10~J10</td> <td>0.28</td> <td>0.24</td> <td>0.20</td> <td>0.16</td> <td>0.14</td> <td>0.12</td> </tr> </table>	Rated Voltage(V _{DC}) SIZE	6.3	10	16	25	35	50		D56~F80	0.24	0.20	0.16	0.14	0.12	0.12	(at 20°C, 120Hz)	H10~J10	0.28	0.24	0.20	0.16	0.14	0.12
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H10~J10	0.28	0.24	0.20	0.16	0.14	0.12																		
Temperature Characteristics (Max. Impedance ratio)	<table border="1" style="width: 100%; border-collapse: collapse; text-align: center;"> <tr> <th style="text-align: left;">Rated voltage(V_{DC})</th> <th>6.3</th> <th>10</th> <th>16</th> <th>25</th> <th>35</th> <th>50</th> <th></th> </tr> <tr> <td>Z(-25°C)/Z(20°C)</td> <td>3</td> <td>2</td> <td>2</td> <td>2</td> <td>2</td> <td>2</td> <td rowspan="2" style="vertical-align: middle;">(at 120Hz)</td> </tr> <tr> <td>Z(-55°C)/Z(20°C)</td> <td>5</td> <td>4</td> <td>4</td> <td>3</td> <td>3</td> <td>3</td> </tr> </table>	Rated voltage(V _{DC})	6.3	10	16	25	35	50		Z(-25°C)/Z(20°C)	3	2	2	2	2	2	(at 120Hz)	Z(-55°C)/Z(20°C)	5	4	4	3	3	3
Rated voltage(V _{DC})	6.3	10	16	25	35	50																		
Z(-25°C)/Z(20°C)	3	2	2	2	2	2	(at 120Hz)																	
Z(-55°C)/Z(20°C)	5	4	4	3	3	3																		
Load Life	<p>The following specifications shall be satisfied when the capacitors are restored to 20°C after the rated voltage is applied with the following conditions. ø4~ø6.3 : 105°C, 1,000 hours, ø8 & ø10 : 105°C, 2,000 hours.</p> <p>Capacitance change ≤ ±25% of the initial value Tan δ ≤ 200% of the initial specified value Leakage current ≤ The initial specified value</p>																							
Shelf Life	<p>The following specifications shall be satisfied when the capacitors are restored to 20°C after exposing them for 1000 hours at 105°C without voltage applied. The rated voltage shall be applied to the capacitors for a minimum of 30 minutes, at least 24 hours and not more than 48 hours before the measurement.</p> <p>Capacitance change ≤ ±25% of the initial value Tan δ ≤ 200% of the initial specified value Leakage current ≤ The initial specified value</p>																							
Others	Satisfied characteristics W of KS C 6421																							

PART NUMBERING SYSTEM



Capacitance	Code
0.1μF	R1
0.47μF	R47
1.0μF	1
4.7μF	4R7
10μF	10
100μF	100

DIMENSIONS OF BXA Series (Type : VC)

Unit(mm)

DIMENSIONS

MARKING

Note 1 : $L \pm 0.5$ for 8×10(H10), 10×10(J10).
 Note 2 : 4×5.3(D56), 5×5.3(E56) is excluded symbol mark.
 Note 3 : 6.3WV is marked by 6V.

Case code	ϕD	L	A	B	C	W	P	a	b	c
D56	4	5.3	4.3	4.3	5.1	0.5-0.8	1.0	1.0	2.6	1.6
E56	5	5.3	5.3	5.3	5.9	0.5-0.8	1.4	1.4	3.0	1.6
F60	6.3	5.7	6.6	6.6	7.2	0.5-0.8	1.9	1.9	3.5	1.6
F80	6.3	7.7	6.6	6.6	7.2	0.5-0.8	1.9	1.9	3.5	1.6
H63	8	6	8.3	8.3	9.0	0.5-0.8	2.3	2.3	4.5	1.6
H10	8	10	8.3	8.3	9.0	0.7-1.1	3.1	3.1	4.2	2.2
J10	10	10	10.3	10.3	11.0	0.7-1.1	4.5	4.5	4.4	2.2

Recommended solder land on PC board

: Solder land on PC board

RATINGS OF BXA Series

μF	V_{DC}	6.3(0J)			10(1A)			16(1C)			25(1E)			35(1V)			50(1H)				
2.2																	D56	4.8	30		
4.7														D56	2.1	80	E56	3.0	50		
10										D56	2.1	80	E56	0.90	150	F60	2.0	70			
22					D56	2.1	80	E56	0.90	150	E56	0.90	150	E56	0.90	150	F60	1.2	120		
33		D56	2.1	80	E56	0.90	150	F60	0.44	230	F60	0.44	230	F60	0.44	230	F80	1.0	170		
47		E56	0.90	150	F60	0.44	230	F60	0.44	230	F60	0.44	230	F60	0.44	230	H63	0.9	150		
68		F60	0.44	230	F60	0.44	230	F60	0.44	230	F60	0.44	230	F80	0.34	280	H10	0.44	230		
100		F60	0.44	230	F60	0.44	230	F60	0.44	230	F80	H63	0.34	280	H10	0.17	450	H10	0.44	230	
220		F60	0.44	230	F80	0.34	280	F80	0.34	280	H10	0.17	450	H10	0.17	450	J10	0.30	350		
330		F80	0.34	280	H10	0.17	450	H10	0.17	450	H10	0.17	450	J10	0.09	670					
470		H10	0.17	450	H10	0.17	450	H10	0.17	450	J10	0.09	670								
1,000		H10	0.17	450	J10	0.09	670														
1,500		J10	0.09	670	▲	▲	▲														

Rated Ripple Current (mA rms / 105°C, 100kHz)
 Impedance (Ω max. / 20°C, 100kHz)
 Case code